

# ADDITIONS TO THE MARINE MOLLUSCA OF QUEENSLAND.

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At the meeting of the Australasian Association, held in Brisbane in January, 1909, the first list of the known Marine Mollusca of Queensland was published by Mr. Charles Hedley, Assistant Curator, Australian Museum, Sydney. This list forms part of the Presidential Address to Section D., Biology, comprised in pp. 343-371, of Volume xii., of the Proceedings of the Association. Pages 809-810 of the same volume contain a supplement to the main list. In all, some 1900 species are catalogued.

The following additions are drawn from a review of the cabinets of my son, Mr. Ray Shirley, who has been collecting for the past six years, and whom I have helped in every possible way. Owing to the greatly increased interest in natural history, many teachers of schools in the coastal towns have made collections of [marine shells, and from these I have received many parcels for naming. This has given me an opportunity to study the mollusca from a very wide stretch of coast. I take this opportunity to thank Mr. F. Barrett, of Cairns; Mr. John Fewtrell, formerly of Townsville West, now District Inspector of Schools; Mr. Ivie Murchie and Mr. Long, of Normanton; Mr. E. Saunders, of Bowen; Mr. C. Kemp, formerly of Gladstone; Mr. Joseph Hirst, formerly of Bulwer, Moreton Island; Mr. W. Noon, Yeppoon; and Mr. James Bruce, of Murray Island, Torres Straits, whose collections have enabled me to add many species to the Queensland list.

I wish also to put on record the assistance I have had from my friend, Mr. Charles Hedley, who has named many parcels of shells sent down to him, and also from Mr. E. A. Smith, of the British Museum; Mr. C. J. Wild, of the Brisbane Museum; Messrs. C. Gabriel and J. H. Gatliff, of Melbourne; and Mr. A. Simson, of Launceston, Tasmania.

## PELECYPODA.

- Leda lata* *Hinds*, Bundaberg.  
*Arca bicors* *Jonas*, Moreton Bay.  
 „ *Carpenteri* *Dunker*, Moreton Bay.  
 „ *Helblingi* *Chemnitz*, Yeppoon.  
 „ *lima* *Reeve*, Gladstone.  
 „ *pusilla* *Sowerby*, Caloundra.  
*Byssarca zebra* *Sowerby*, Townsville.  
*Glycimeris australis* *Q. and G.*  
 „ „ v. *Greyana* *Dunker*, Moreton Bay.  
 „ *holoserica* *Reeve*, Caloundra.  
 „ *striatularis* *Lamark*, Bundaberg.  
*Pinna angustata* *Lamark*, Torres Straits.  
*Perna ephippium* *Linnæus*, Torres Straits.  
 „ *fimbriatum* *Reeve*, Torres Straits.  
*Pteria marmorata* *Reeve*, Yeppoon.  
*Meleagrina vulgaris* *Schumacher*, Moreton Bay.  
*Ostrea circumscuta* *Gould*, Moreton Bay.  
 „ *glomerata* *Gould*, Moreton Bay.  
 „ *mordax* *Gould*, Bundaberg.  
 „ „ v. *cornucopioides* *Lamark*.  
*Pecten gloriosus* *Reeve*, Yeppoon.  
 „ *leopardus* *Reeve*, Yeppoon.  
 „ *medius* *Lamark*, Normanton, Yeppoon.  
*Amusium japonicum* *Lamark*, Moreton Bay.  
*Spondylus coccineus* *Lamark*, Moreton Bay.  
 „ *imperialis* *Chemnitz*, Cardwell, Yeppoon.  
 „ *tenellus* *Reeve*, Caloundra.  
*Limopsis multistriata* *Sowerby*, Moreton Bay.  
*Anomia achæus* *Gray*, Thursday Island.  
*Modiola elongata* *Swainson*, Yeppoon.  
 „ *Fortunei* *Dunker*, Caloundra.  
 „ *vagina* *Lamark*, South Passage.  
*Chamostræa albida* *Lamark*, Bundaberg.

- Myodora ovata* *Reeve*, Caloundra.  
 „ *striata* *Deshayes*, Caloundra.  
*Crassatellites Cumingiana* *A. Adams*, Caloundra.  
*Batissa violacea* *Lamarck*, Cairns.  
*Austriella sordida* *Tenison Woods*, Bowen.  
*Codakia punctata* *L.*, Capricorn Islands.  
*Cryptodon globosum* *Förskal*, Tweed Heads.  
*Corbis Sowerbyi* *Reeve*, Torres Straits.  
*Cardium cardissa* *Linnæus*, Torres Straits.  
 „ *latum* *Born*, Moreton Bay.  
 „ *munda* *Reeve*, Bundaberg.  
 „ *oxygonum* *Sowerby*, Burnett River.  
 „ *philippinensis* *Desh.*, Normanton.  
*Dosinia corrugata* *Chem.*, Gulf of Carpentaria.  
 „ *lamellata* *Reeve*, Yeppoon  
 „ *subrosea* *Lamarck*, Keppel Bay.  
 „ *turgida* *Reeve*, Bundaberg.  
*Gafrarium divaricatum* *Gmelin*, Bundaberg.  
*Cytherea dysera* *Chemnitz*, Moreton Bay.  
 „ *impudica*, *Sowerby*, Normanton.  
 „ *isabellina* *Phillipi*, Moreton Bay.  
 „ *lacerata* *Hanley*, Bundaberg.  
 „ *puerpera* v. *Gladstonensis* *Angas*.  
*Macrocallista lilacina* *Lamarck*, Cardwell.  
 „ *lusoria* *Chemnitz*, Normanton.  
 „ *pellucida* *Lamarck*, Torres Strait.  
*Chione Yerburyi*, *E. A. Smith*, Caloundra.  
*Paphia analis* *Phillippi*, Burketown.  
 „ *inflata* *Desh.*, Moreton Bay  
 „ *semirugata* *Philippi*, Fraser Island.  
 „ *tumida* *Sowerby*, Moreton Bay.  
 „ *turgida* *Lamarck*, Yeppoon.  
*Tellina deltoidalis* *Lamarck*, Moreton Bay.  
 „ *imbellis* *Hanley*, Eliot River.  
 „ *rostrata* *Linnæus*, Murray Island.  
*Donax australis* *Lamarck*, Caloundra.  
 „ *tinctus* *Gould*, Yeppoon.  
*Anapella cuneata* *Lamarck*, Caloundra.  
*Mactra contraria* *Deshayes*, Noosa.  
 „ *Cuvieri* *Deshayes*, Bowen.  
 „ *depressa* *Lamarck*, Bundaberg.  
 „ *luzonica* *Deshayes*, Caloundra.

- Mactra meretriciformis* *Deshayes*, Eliot River.  
 „ *polita* *Deshayes*, Moreton Bay.  
*Solen vaginoides* *Lamarck*, Yeppoon.

## CEPHALOPODA.

- Nautilus macromphalus* *Sowerby*, Torres Straits.  
 „ *umbilicatus* *Lister*, Torres Straits.  
 „ *stenomphalus*, *Sowerby*, Torres Straits.  
*Sepia rostrata* *D'Orbigny*, Moreton Bay.  
 „ *Rouxii* *D'Orbigny*, Moreton Bay.  
*Argonanta argo* *Linnæus*, Torres Straits.

## AMPHINEURA.

- Acanthopleura spiniger* *Sowerby*, Townsville.  
*Cryptoplax striatus* *Lamarck*.  
*Ischnochiton fruticosus* *Gould*.

## GASTEROPODA.

- Scutus anatinus* *Donavon*, Moreton Bay.  
*Subemarginula australis* *Q. and G.*, Cairns.  
 „ *parmorphoroides* *Q. and G.*, Caloundra.  
*Haliotis coccoradiata* *Reeve*, Caloundra.  
 „ *Cunninghamii* *Gray*, Torres Straits.  
 „ *Roei* *Gray*, Cairns.  
*Trochus concinnus* *Dunker*, Murray Island.  
 „ *incarnatus* *Philippi*, Torres Straits.  
 „ *mauritanus* *Gmelin*, Caloundra.  
 „ *noduliferus* *Lamarck*, Caloundra.  
 „ *radiatus* *Gmelin*, Murray Island.  
*Clanculus Lischkeanus* *Pilsbry*, Murray Island.  
*Monodonta zebra* *Menke*, Moreton Bay.  
*Cantharidus* (*Elenchus*) *leucostigma* *Menke*, Murray Island.  
*Gibbula magus* *Linnæus*, Torres Straits.  
 „ *Strangei* *A. Adams*, Gladstone.  
 „ *Coxi* *Angas*, Gladstone.  
*Calliostoma picturata* *H. and A. Adams*, Murray Island.  
 „ *oberwimmeri* *Preston*, Murray Island.  
*Euchelus baccatus* *Menke*, Murray Island.  
 „ *instrictus* *Gould*, Murray Island.  
 „ *mysticus* *Pilsbry*, Caloundra.  
*Bankivia fasciata* *Menke*, Moreton Bay.  
*Angaria laciniatus* *Lamarck*, Normanton.  
*Ethalia costata* *Valenc.*, Murray Island.  
 „ *vestiarium* *L.*, Murray Island.



- Turbo pulcher* *Reeve*, Bowen.  
 „ *setosus* *Gmelin*, Gladstone.  
 „ *stamineus* *Martyn*, Bowen.  
*Astraliu* *asteriscus* *Reeve*, Normanton.  
 „ *fimbriatum* *Lamark*, Caloundra.  
*Liotia cidaris* *Reeve*, Murray Island.  
*Nerita chrysostoma* *Recluz*, Murray Island.  
 „ *patula* *Sowerby*, Caloundra.  
 „ *polita* v. *antiqua* *Recluz*, Yeppoon, Wide Bay.  
 \* „ *signata* *Macleay*, Murray Island.  
 † „ *squamulata* *Le Guillou*, Murray Island.  
*Neritina pulligera* *Linnæus*, Cairns.  
 „ *Rangiana* *Recluz*, Murray Island.  
 „ *variegata* *Lesson*, Bowen.  
*Tectarius bullatus* *Martyn*, Cape York.  
*Phenacolepas granocostatus* *Pease*, Murray Island.  
*Helcioniscus eucosmia* *Pilsbry*, Caloundra.  
 „ *tramosericus* *Montrouzer*, Moreton Bay.  
*Rissoina deformis* *Sowerby*, Murray Island.  
*Tatea rufilabris* *A. Adams*, Tweed River.  
*Truncatella valida* *Pfr.*, Murray Island.  
*Hipponix antiquatus* *Linnæus*, Burleigh Head.  
*Calyptrea calyptræformis* *Lamark*.  
*Cerithium Hanleyi* *Sowerby*, Murray Island.  
 „ *inflatum* *Quoy*, Townsville.  
 „ *lacteum* *Kiener*, Murray Island.  
 „ *tenellum* *Sowerby*, Murray Island.  
 „ *tuberculatum* *Linnæus*, Moreton Bay.  
 „ *tessellatum* *Sowerby*, Murray Island.  
*Cerithidea Fortunei* *A. Adams*, Yeppoon.  
 „ *obtusata* *Lamark*, Moreton Bay.  
*Pyrazus zonalis* *Bruguiere*, Burleigh Head.  
*Siliquaria australis* *Quoy and Gaimard*, Caloundra.  
*Strombus dilatatus* *Swainson*, Torres Straits.  
 „ *epidromis* *Linnæus*, Cardwell.  
 „ *floridus* *Lamark*, Murray Island.  
 „ *Isabella* *Lamark*, Murray Island.  
 „ *latissimus* *Linnæus*, Torres Straits.

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\* Given as a synonym of *N. reticulata* *Karsten*, but separated by E. A. Smith.

† Given as a synonym of *N. chameleon* *Linnæus*, but separated by E. A. Smith.

- Strombus labiosus* Gray, Torres Straits.  
*Struthiolaria scutellata* Martyn, Yeppoon.  
*Pteroceras aurantium* Lamark, Torres Straits.  
 „ *chiragra* Lamark, Thursday Island.  
 „ *rugosum* Sowerby, Torres Straits.  
*Pyramidella sulcata* A. Adams, Murray Island.  
 „ *variegata* A. Adams, Murray Island.  
 „ *ventricosa* Guerin, Cardwell.  
*Fusus colus* Linnæus, Torres Straits.  
 „ „ *v. novæ-hollandiæ* Reeve, Normanton.  
 „ *spectrum* Adams and Reeve, Yeppoon.  
*Architectonica areolata* Lamark, Murray Island.  
 „ *modesta* Phillippi, Caloundra.  
 „ *Reevei* Hanley, Normanton.  
*Torinia infundibuliformis* Gmelin, Caloundra.  
*Cymatium caudatum* Gmelin, Caloundra.  
 „ *doliarium* Linnæus, Torres Straits.  
 „ *nodiferum* Lamark, Bowen.  
*Distortrix anus* Linnæus, Burketown.  
 „ *cancellatus* Deshayes, Yeppoon.  
*Melongena pugilina* Born, Yeppoon.  
*Bursa pulchra* Gray, Caloundra.  
*Cassidea achatina* Lamark, Caloundra.  
 „ *Angasi* Brazier, Caloundra.  
 „ *rufa* Linnæus, Murray Island.  
*Tonna costata* Meuke, Torres Straits.  
 „ *fimbriata* Sowerby, Murray Island.  
*Harpa conoidalis* Lamark, Torres Straits.  
 „ *minor* Martyn, Torres Straits.  
 „ *nobilis* Martyn, Burketown.  
*Natica maroceana* Chemnitz, Murray Island.  
 † „ *marochiensis* Recluz, Moreton Bay.  
*Polinices citrinus* Phillippi, Torres Straits.  
 „ *lactea* Sowerby, Torres Straits.  
 „ *maura* Lamark, Murray Island.  
 „ *rufa* Born, Cape York.  
 „ *Strangei* Reeve, Bowen.  
*Sigaretus incisus* Reeve, Moreton Bay.  
 „ *papillus* Gmelin, Moreton Bay.  
*Cypraea annulata* Gray, Torres Straits.  
 „ *brevidentata* Sowerby, Caloundra.

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† Joined to the preceding by Tyron, but separated by E. A. Smith.

- Cypraea caput-anguis Phil.*, Caloundra.  
 „ *cicereula Gmelin*, Murray Island.  
 „ (*Amphiperas*) *concinna Adams and Reeve*, Caloundra.  
 „ *cribraria Linnæus*, Moreton Bay.  
 „ *cruenta Gmelin*, Torres Straits.  
 „ *histrion Linnæus*, Cairns.  
 „ *interrupta Gray*, Murray Island.  
 „ *mappa Linnæus*, Gulf of Carpentaria.  
 „ *neglecta Sowerby*, Caloundra.  
 „ *nucleus Linnæus*, Murray Island.  
 „ *obvelata Lamark*, Cairns.  
 „ *onyx Linnæus*, Burketown.  
 „ *pantherina Solander*, Torres Straits.  
 „ *poraria Linnæus*, Wide Bay.  
 „ *pyriformis Gray*, Townsville.  
 „ *reticulata Martyn*, Cairns.  
 „ *scurra Chemnitz*, Torres Straits.  
 „ *stolida Linnæus*, Caloundra.  
 „ *tabescens Solander*, Murray Island.  
 „ *talpa Linnæus*, Torres Straits.  
 „ *teres Gmelin*, Murray Island.  
 „ *testudinaria Linnæus*, Torres Straits.  
 „ *ventriculus Lamark*, Torres Straits.  
*Trivia Childreni Gray*, Wide Bay.  
*Ovulum Angasi Adams*, Caloundra.  
 „ *angulosum Lamark*, Murray Island.  
 „ *birostris Lamark*, Caloundra.  
 „ *lacteum Lamark*, Yeppoon.  
 „ *pyriformis Sowerby*, Murray Island.  
 „ *verrucosum Lamark*, Caloundra.  
*Radius nr. seminulum Sowerby*, Caloundra.  
*Scaphella Norrissi Sowerby*, Cape York.  
 „ „ *v. Sophiæ Brazier*, Cape York.  
 „ *pallida Gray*, Barrier Reef, Bowen.  
 „ *piperita Sowerby*, Cardwell.  
 „ *reticulata Reeve*, Gulf of Carpentaria.  
 „ *Turneri Gray*, Gulf of Carpentaria.  
 „ *vespertilio Linnæus*, Gulf of Carpentaria.  
*Cylindra nucea Meuschen*, Bowen.  
*Oliva bicolor Lamark*, Normanton.  
 „ *bulbiformis Ducloz*, Murray Island.  
 „ *carneola Lamark*, Murray Island.

- Oliva elegans* *Martyn*, Murray Island.  
 „ *erythrostroma* *Lamarck*, Cape York.  
 „ *funeralis* *Lamarck*, Murray Island.  
 „ *guttula* *Martyn*, Torres Straits.  
 „ *inflata* *Lamarck*, Trinity Bay.  
 „ *irisans* v. *fulgetrum*, Murray Island.  
 „ *mustellina* *Lamarck*, Normanton.  
 „ *sanguinolenta* *Lamarck*, Torres Straits.  
 „ *tessellata* *Lamarck*, Torres Straits.  
 „ *tremulina* *Lamarck*, Murray Island.  
*Marginella compressa* *Reeve*, Murray Island.  
 „ *triplicata* *Gaskoin*, Murray Island.  
*Terebra babylonia* *Lamarck*, Murray Island  
 „ *cerithina* *Lamarck*, Cairns.  
 „ *Dussumieri*, *Kiener*, Bowen and Normanton.  
 „ *mera*, *Hinds*, Bowen.  
 „ *monilis* *Quoy*, Cape York.  
 „ *nitida* *Hinds*, Murray Island.  
 „ *subtextile* *Smith*, Bowen.  
 „ *trochlea* *Deshayes*, Normanton.  
*Conus aureus* *Hwass*, Moreton Bay.  
 „ *bullatus* *Linnæus*, Burketown.  
 „ *catus* *Hwass*, Murray Island.  
 „ *cinereus* *Hwass*, Caloundra.  
 „ *generalis* *Linnæus*, Torres Straits.  
 „ *gubernator* *Hwass*, Yeppoon.  
 „ *lithoglyphus* *Meuschen*, Torres Straits.  
 „ *luteus*, *Brod.*, Burketown  
 „ *miles* *Linnæus*, Torres Straits.  
 \* „ *minimus* *Linnæus*, Murray Island.  
 „ *monile* *Bruguiere*, Yeppoon.  
 † „ *ochroleuca* *Gmelin*, Port Douglas.  
 „ *omaria* *Hwass*, Torres Straits.  
 „ *rattus* *Hwass*, Caloundra.  
 „ *stillatus* *Reeve*, Dunk Island.  
 „ *stramineus* *Lamarck* v. *zebra*, Torres Straits.  
 „ *suturatus* *Reeve*, Murray Island  
 „ *tulipa* *Linnæus*, Normanton.  
 „ *vexillum* *Gmelin*, Torres Straits.  
 „ *virgo* *Linnæus*, Torres Straits.

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\* s. *Conus coronatus* *Dillwyn*.

† s. *Conus fasciatus* *Martyn*.



*Glyphostoma tribulationis* *Hedley*, Hope Island.

*Mangilia gracilentata* *Reeve*, Hope Island

*Pleurotoma babylonica* *Lamark*, Cairns.

„ *cognata* *Smith*, Burleigh Head.

„ *grandis* *Gray*, Burketown.

*Fasciolaria fimbriata* *Linnæus*, Torres Straits.

*Peristernia australiensis* *Reeve*, Tweed Heads.

„ *spinosa* *Martyn*, Keppel Bay.

„ *ustulata* *Reeve*, Normanton.

*Mitra adusta* *Lamark*, Cairns.

„ *aurantiaca* *Chemnitz*, Moreton Bay.

„ *cadervosa* *Reeve*, Bowen.

„ *cardinalis* *Gmelin*, Murray Island.

„ *discoloria* *Reeve*, Murray Island.

„ *Hainillei* *Petit*, Cardwell.

„ *luculenta* *Reeve*, Murray Island.

„ *papalis* *Linnæus*, Torres Straits.

„ *pontificalis* *Lamark*, Torres Straits.

„ *procissa* *Reeve*, Moreton Bay.

*Tritonidea australis* *Pease*, Tweed Heads.

*Engina zonata* *Reeve*, Murray Island.

*Arcularia australis* *A. Adams*, Murray Island.

„ *cancellata* *A. Adams*, Murray Island.

„ *concinna* *Solander*, Townsville.

„ *ecstilba* *Mell. and Stand.*, Murray Island.

„ *glans* v. *elegans* *Reeve*, Caloundra.

„ *globosa* *Reeve*, Torres Straits.

„ *Jacksoniana* *Q. and G.*, Caloundra.

„ *Jonasi* *Dunker*, Moreton Bay.

„ *monile* *Kilver*, Cape York.

„ *labecula* *A. Adams*, Bowen.

„ *subspinosa* *Lamark*, Normanton.

„ *tiarula* *Kilver*, Townsville.

*Pyrene discors* *Gmelin*, Bowen.

„ *Filmeræ* *Sowerby*, Murray Island.

„ *fulgurans* v. *punctata* *Lamark*, Murray Island.

„ *jaspidea* *Sowerby*, Murray Island.

„ *pulchella* *Sowerby*, Murray Island.

„ *mariaë* *Brazier*, Murray Island.

„ *mercatoria* *Linnæus*, Bowen.

„ *Tayloriana* *Reeve*, Murray Island.

„ *Tyleri* *Gray*, Moreton Island.

- \**Pyrene zelina* *Ducloz*, Caloundra.  
*Murex* *acanthostephes* *Watson*, Normanton.  
 „ *Bednalli* *Brazier*, Normanton.  
 „ *haustellum* *Linnæus*, Torres Straits.  
 „ *monodon* *Sowerby*, Burketown.  
 „ *osseus* *Reeve*, Normanton.  
 „ *pyrum* *L.*, Cardwell.  
 „ *torrefactus* *Sby.*, Gulf of Carpentaria  
*Afer* *Blosvillei* *Deshayes*, Caloundra.  
 „ *carinifera* *Lamarck*, Normanton.  
*Thais* *ambustulatus* *Hedley*, Moreton Bay.  
 „ *bufo* *Lamarck*, Yeppoon.  
 „ *haemostoma* *Linnæus*, Moreton Bay.  
 „ *intermedia* *Kiener*, Keppel Bay.  
 „ *pica* *Blainville*, Torres Straits.  
 „ *succincta* v. *textiliosa* *Lamarck*, Caloundra.  
*Drupa* *biconica* *Blainville*, Murray Island.  
 „ *grossularius* *Bolten*, Torres Straits.  
 „ *horrida* *Lamarck*, Torres Straits.  
*Plecotrema* *lirata* *H. and A. Adams*, Burleigh Head.  
*Ophicardelus* *australis* *A. Adams*, Brisbane River.  
*Melampus* *castaneus* *Muhl.*, Bowen.  
*Bullina* *lineata* *Gmelin*, Caloundra.  
*Bullaria* *ampulla* *Linnæus*, Bowen.  
 „ „ v. *bifasciata* *Menke*, Bowen.  
 „ *australis* *Q. and G.*, Caloundra.  
*Haminea* *galba* *Pease*, Murray Island.  
*Hydatina* *albo-cincta*, v. *d. Hoeven*, Stradbroke Island.  
*Hexabranhus* *marginatus* v. *Gräff*, Hope Island.

## SCAPHOPODA.

- Dentalium* *elephantinum* *Linnæus*, Torres Straits.  
 „ *katowense* *Hedley*, Murray Island.

## BRACHIOPODA.

- Lingula* *hians* *Swainson*, Moreton Bay.

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\* Considered by Tryon to be a form of *P. discors* *Gmelin*.